

09/09/2001
Rec'd PCT/PTO 23 AUG 2001

WO 00/52042

PCT/EP00/01468

SEQUENCE LISTING

<110> SmithKline Beecham Biologicals S.A.

<120> Novel compounds

<130> BM45378

<160> 6

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 2760

<212> DNA

<213> Moraxella catarrhalis

<400> 1

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<212> PRT
<213> Moraxella catarrhalis

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 Thr Arg Tyr Phe Asn Met Val Asn Thr Glu Ile Val Phe Pro Glu Arg
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 Glu Gln Ile Gln Asn Asp Gln Val Ser Phe Glu Gln Ser Ser Ser Ser
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 Arg Thr Glu Pro Ala Gln Val Asp Glu Ser Thr Leu Glu Pro Val Ile
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 770 775 780
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 805 810 815

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 850 855 860
 Ile Gly Asn Ala Tyr Asp Lys Gly Phe Thr Asn Asp Thr Lys Ile Gly
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<212> DNA

<213> Moraxella catarrhalis

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370	375	380
Ile Ala Thr Arg Tyr Phe Asn Met Val Asn Thr Glu Ile Val Phe Pro		
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Glu Arg Glu Gln Ile Gln Asn Asp Gln Val Ser Phe Glu Gln Ser Ser		400
405	410	415
Ser Ser Arg Thr Glu Pro Ala Gln Val Asp Glu Ser Thr Leu Glu Pro		
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Pro Ile Glu Phe Ser Ala Ser Asn Leu Ile Gln Asp Lys Leu Asn Leu		
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Arg Lys Thr Pro Ala Asp Val Tyr Gln Ser Lys Lys Val Pro Leu Tyr		
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Val Phe Val Ala Ser Asp Lys Pro Arg Asp Gly Gln Ile Gly Leu Gly		
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Tyr Ser Leu Arg Tyr Arg Leu Asp Lys Leu Lys Thr Gln Ala Pro Pro		
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Glu Thr Trp Gln Asp Leu Pro Val Asp Phe Val Asn Gly Lys Pro Ser		
675	680	685
Gln Glu Ala Leu Leu Ala Gly Val Ala Val His Lys Thr Val Ala Asp		
690	695	700
Asn Leu Val Asn Pro Met Arg Gly Tyr Arg Gln Arg Tyr Ser Leu Glu		
705	710	715
Val Gly Ser Ser Gly Leu Val Ser Asp Ala Asn Met Ala Ile Ala Arg		720
725	730	735
Ala Gly Ile Ser Gly Val Tyr Ser Phe Gly Asp Asn Ala Tyr Gly Ser		
740	745	750
Asn Arg Ala His Gln Met Thr Gly Gly Ile Gln Ala Gly Tyr Ile Trp		
755	760	765
Ser Asp Asn Phe Asn His Val Pro Tyr Arg Leu Arg Phe Phe Ala Gly		
770	775	780
Gly Asp Gln Ser Ile Arg Gly Tyr Ala His Asp Ser Leu Ser Pro Ile		
785	790	795
Ser Asp Lys Gly Tyr Leu Thr Gly Gly Gln Val Leu Ala Val Gly Thr		800

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Ala Glu Tyr Asn Tyr Glu Phe Met Lys Asp Leu Arg Leu Ala Val Phe		
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835	840	845
Ile Gly Ala Gly Val Gly Val Arg Trp Ala Ser Pro Val Gly Gln Val		
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Arg Val Asp Val Ala Thr Gly Val Lys Glu Glu Gly Asn Pro Ile Lys		
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Leu His Phe Phe Ile Gly Thr Pro Phe		
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37